<u>IN THE SPECIFICATION:</u>

Please delete the paragraph beginning on page 13, line 17, and replace with the following:

"In an additional embodiment, two calibration rectangles 305 are simultaneously utilized in the video display window 200. The pixels representing the objects in each calibration rectangle 305 may be simultaneously calibrated. In one embodiment, the calibration rectangles 305 are at fixed locations in the video display window 200. In another embodiment, the calibration rectangles 305 are moveable relative to each other. In such an embodiment, calibration may only occur if the objects in each window both have standard deviations below a set level. In an additional embodiment, multiple objects are tracked, but only one calibration window is utilized. First, one object must be calibrated and tracked. Thereafter, additional objects may be calibrated and tracked."

Please delete the paragraph beginning on page 15, line 17, and replace with the following:

"Figure 7D illustrates a first test window's location according to an embodiment of the present invention. The calibration rectangle 305 is three pixels wide and two pixels tall (3x2). In an embodiment having a 3x2 calibration rectangle 305, the test window is also 3x2. The system first analyzes the group of six pixels for a 3x2 area located two pixels to the left and one pixel up from the location of the calibration box 305. As shown in Figure 7D, there is an overlap of one pixel between the

calibration box 305 and the test window 795. The system acquires the pixel data for this group of pixels. Then, the system shifts the test window 795 to the next location."

Please delete the paragraph beginning on page 16, line 3, and replace with the following:

"Figure 7E illustrations a second test window's 795 location according to an embodiment of the present invention. In Figure 7E, the entire test window has been shifted 1 row to the right. This time the test window 795 has an overlap of 2 pixels with the calibration rectangle. After the pixel data is acquired for this group of pixels, the test window 795 is shifted again. In the preferred embodiment, the test window 795 is shifted to the right three additional times, at which point the only overlap between the calibration rectangle 305 and the test window 795 is 1 pixel: the pixel in the bottom left-hand corner of the test window, which overlaps the pixel in the upper right-hand corner of the calibration rectangle 305. The test window is then shift down one row and four columns to the left, so that the two pixels on the right side of the test window 795 overlap the two pixels on the left side of the calibration rectangle 305. The process is repeated, and the test window is shifted to the right until the only overlap between the test window 795 and the calibration rectangle 305 is the pixels on the left side of the test window 795 and the pixels on the right side of the calibration rectangle 305."